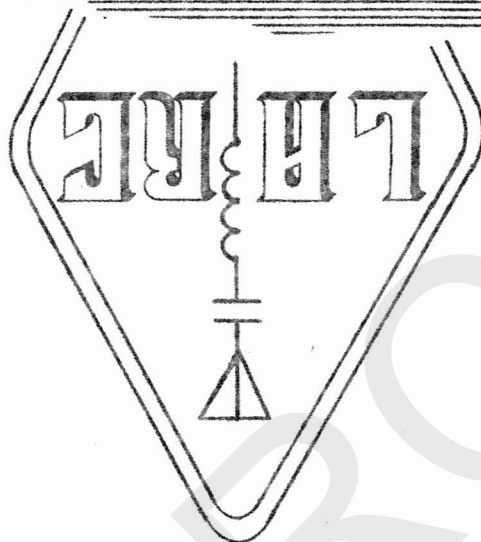


**LAKEHEAD AMATEUR RADIO CLUB**



**HI-Q BULLETIN**

**LAKEHEAD AMATEUR  
RADIO CLUB  
BOX 2571  
THUNDER BAY 'P' ONT.  
CANADA  
P7B:5G1**



**TO**

Laurie Bridgette VE3BCD  
1104 Rosedale Avenue  
Thunder Bay "F" Ontario  
P7C 2L5

MAY84

Lakehead amateur radio club

HIGH-Q

HIGH - Q

MAY 1984

THE NEXT MEETING OF THE LAKEHEAD AMATEUR RADIO CLUB WILL BE HELD AT THE  
ENO BUILDING ON THE CORNER OF WATERLOO & VICTORIA, ON MAY 10 AT 8:00 P.M.

ON THE SCHEDULE AFTER THE SHORT BUSINESS MEETING WILL BE A GENERAL Q&A  
SESSION AND THEN WE WILL RETIRE TO THE COFFEE (?) SHOP.

THE NORTHWEST ONTARIO PHONE NET MEETS DAILY AT 2015 EDT ON 3750 KHZ.

#### NEWS FROM CRRL

1. Prefix hunters take note. To commemorate the Bicentennial of Ontario, Amateurs in this province will be able to use the special prefix XØ3 throughout July.
2. That Vic-20 CW sending program that appeared in January 1984, QST has become very popular. If you're lazy and don't want to type it out, just send a blank cassette tape and a stamped return envelope to Don Melling, VE1WF at 36 Sherwood Drive, St. John, New Brunswick E2J 3H6. He'll make you a copy--that works.

FROM CRRL BULLETIN #9 & 12.

#### MINUTES OF MEETINGS

On the next few pages are the Minutes of the first radio club meeting held 50 years ago this month and the 1984 meeting.

#### CANADIAN LAKEHEAD WIRELESS EXPERIMENTERS

Minutes of Re-organization meeting held in the Y.M.C.A., Fort William, Ont., April 17th, 1934, 7:30 p.m.

On Tuesday, April 17th, a meeting of the Radio amateurs of the District was held at the Y.M.C.A. Fort William, in order to organize as a body.

At the conclusion of the dinner, P.J. O'Shea was made chairman and called the meeting to order.

He called on the various ones present at the meeting to give their views on the formation of an organized club, and everyone was unanimously of the opinion that one should be formed at once.

It was moved by Brien O'Brien and seconded by Mr. C.C. MacDonald that a committee be appointed to find a suitable name and the motion carried, with the following being appointed to serve on the committee: J. Sky, chairman, Brier O'Brien, J. Fieldhouse, C.C. MacDonald and C. Partington.

The following were elected as officers for the club: President P.J. O'Shea, Secretary-Treasurer, Bruce Grant.

It was decided that the executive should consist of those forming the committee to find a name for the club and the officers.

It was moved by Mr. MacDonald and seconded by J. Fieldhouse that only those holding amateur experimental certificates be eligible for membership in the Club. This was carried.

Moved by Mr. MacDonald and seconded by Brian O'Brien that a yearly donation of 50¢ be made by each fellow and any dinners be paid for by each one attending. This was also carried.

Everybody was in favour of a suggestion made by Dr. Quackenbush that a relay net be formed to handle messages for conventions being held here this year.

One of the features of the evening was the reading of two telegrams of greeting, one from the Manitoba Wireless Experimental Association of Winnipeg and the other from the Riverdale Radio Club of Toronto.

Another event was the holding of a grab bag, which caused lots of amusement.

Several talks were given by various ones present...

The meeting then adjourned although there was considerable discussion afterwards on radio problems.

The following were present: P.J. O'Shea, FM, C.C. MacDonald, GS, H. Rayner, CS, J. Sky, HA, C. Partington, WH, A. Duncan, LY, L. Harris, GB, M. Cavaney, GG, Brian O'Brien, UA, J. Fieldhouse, FQ, S. Clarke, OZ, E. Moore, KN, K. Dunphy, DX, A. Chadwell, QP, B. Rudman UE, Dr. Quackenbush, CH, Radio Inspector Pawley and Bruce Grant, SJ.

#### MINUTES OF THE GENERAL MEETING

Thursday, April 12, 1984

PRESENT: XJ, BCD, HJS, ECV, ZG, EEH, KRO, HPT, Bob Lazinski, and Bert Stamp

The meeting was called to order at 8:00 p.m. by Dan KRO. As a historical gesture the minutes of the original meeting of the Canadian Lakehead Wireless Experimenters that was held on April 17, 1934 were read.

The Minutes of the March 1984 meeting were read and a motion to accept them as read was made by Bill XJ and seconded by Vic ECV. Motion carried.

Dan KRO once again questioned the secretary about the status of our order for a set of 1984 callbooks, from Hamtraders. Since nothing has been heard from them, Bill XJ made a motion to phone the firm and inquire into the matter. Vic ECV seconded this motion, which was subsequently carried.

Dan KRO announced that the transmitter hunt has been rescheduled to Sunday, May 27, 1984.

Dan KRO opened discussion on the matter of sites for field day. It was eventually decided that Kakabeka Falls Campground be chosen and that the secretary will arrange for the site to be reserved for the club on Field Day Weekend. (Friday, June 22 to Sunday, June 24)

The secretary read a letter from the Royal Canadian Legion requesting the club's participation in their Annual 10 mile Road Race. Gary HJS humbly volunteered to coordinate this event.

Kan KRO brought up the matter of a Mall Display in conjunction with the club's 50th Anniversary. As a result of discussion at the previous executive meeting and during this meeting, it was decided to postpone such an endeavour until September. The reasoning behind this was primarily to tie it in with possible code and theory classes to begin in September.

Dan KRO mentioned the trip to Copper Country, Michigan and several interested members will be getting together to work out the scheduling.

The first work party to rewire the antennas at VE3FM will begin at 5:30 p.m. on Wednesday, April 18, 1984.

Bill XJ and Laurie BCD reported on the progress of the new YQT. Apparently the boys have been working long and hard and a possible June installation date was mentioned.

Bill XJ made a motion to make Gerhard Beutou an honorary member of the Club and to send him a congratulatory card upon his retirement. Gerhard was primarily responsible for securing the Mt. Baldy site owned by CKPR for the Club repeater VE3YQT. Mike ZG seconded the motion which was then carried. The secretary will look after the details.

The roundtable followed and the door prize draw for a desoldering Bulb was won by Mike ZG.

The meeting adjourned at 9:40 p.m. on a motion by Vic ECV and seconded by Tom EEW.

The Swap Shop was held thereafter, with several hams walking away with lots of "good junk".

Greg Zobatar  
Secretary-Treasurer

## HAM SHOP

### For Sale - Surplus Equipment

National NC303 Receiver, with frequency meter and 10" speaker in Separate cabinet.

Heathkit Dx60 transmitter

Heathkit HG10 VFO

Headphones, Key, Coax and Antenna wire - \$200 or offers

Call: J.F. Atkinson VE3EEQ  
R.R.#1  
Dorion, Ont. 857-2446

Heathkit SB-201 Linear, mint condition, \$350

Call: Gerry Lyngstad VE3KRZ  
Home: 577-3575 Work: 345-1661

Heathkit DX 100  
Hammarlund HQ-129X

Call: Bill Unger  
Home: 767-9242 Work: 767-8171

YAESU FT 707 HF RIG  
FP 707 Power Supply  
FC 707 Tuner  
Mobile Antenna Mount  
YM 36 Noise Cancelling

Mike

Also available for above: CW Filter 350 Hz  
Crystals 3750 & 14140 Khz  
Extra 12 VDC Power Cord

The price is negotiable, for more info call Ken, VE3 EFZ at 683-8136.

### WHO IS ON 20

How would you like to be able to check if 20 metres is open to a certain area, or compare the relative gains of various antennas and then the front-to-back ratio of your beam.

This and more is available by listening on 14100 Khz, 24 hours a day all year long.

A world-wide 20 metre beacon-network has been organized and now is operating.

The location and formats are listed below:

STATION TIME QTH

4U1UN/B	0000	United Nations, New York
W6WX/B	0001	Stanford Univ., California
KH60/B	0002	Honolulu College, Hawaii
JA21GY/B	0003	Mt. Asama, Japan
4X6TU/B	0004	Tel Aviv, University, Israel
OH2B	0005	Helsinki University, Finland
CT3B	0006	ARRM, Madeira Island
ZS6DN/B	0007	Transvaal, South Africa

POWER LEVEL

100 W	QST de (Beacon I.D.)
100 W	9 second dash
10 W	9 second dash
1 W	9 second dash
0.1 W	9 second dash
100 W	SK (Beacon I.D.)

The location of each beacon station and the format of the transmissions are shown in the tables. The sequence begins on the 10 minutes multiple (7.00, 7.10, 7.20, etc) with 4U1UN/B in New York. The station identifies at the 100 Watt output level, and then transmits a continuous carrier for approx. 9 seconds and RF output is briefly interrupted (1 second) and dropped to 10 watts for 9 seconds. Output is then dropped to 1 watt for 9 seconds and finally to 100 milliwatts. The station then returns to the 100 watt level, identifies, and "passes it over" to the next station in sequence. Approximately 1 second later, W6WX/B in California follows suit with an I.D. and 100/10/1/0.1 watt transmissions. This continues until all stations have transmitted. After ZS6DN/B finishes there are 2 minutes of silence until 4U1UN/B starts the sequence again.

The beacon network coordinator is Al Lotze, W6RQ, 46 Craigmont Avenue, San Francisco, California 94116.

He is interested in hearing from anyone with reception reports.

The above info was taken from CQ magazine for March 1984. In that article there are many more ideas on uses for the beacons.

BE ADVISED

If you want to get in touch with the Editor, I've got a new phone #, 767-9242, Why not try it out and phone in a story for next High-Q.

### TRIP TO DAYTON - 1984

Dayton--the mere mention of the word sends shivers up your spine. Why? They hold the world largest hamvention and fleamarket, and is a must for every ham to experience and enjoy. A small delegation from Thunder Bay made the journey to check it out. The group consisted of Dianne, VE3JAW, Vic VE3JAR, Tom VE3EEW and of course, our "official" tour guide "Ed VE3KRP.

As Ed pointed out, he has been to Dayton several times, but never made it to the hamvention. This turned out to be a blessing for us, having someone who knew where to go, and how to get there. What a way to go!

For years, I have heard of Dayton and have desired to visit there, to catch the excitement. Last December Vic suggested a trip to see what really does on there. There was also a seat sale to Toronto in progress, with a round trip going for \$121. However, we were in for a surprise when we went to the travel agent to make arrangements. We planned to fly down Monday, April 23 and return the following Monday, April 30th, after the Hamvention was over.

Our travel agent phoned two hotels, no problem for the week, but the weekend was booked solid. The third hotel she called could handle the reservations, but was about 15 to 20 miles away from the Hamfest site. No problem. We had decided this was the year to go and we were going. This was mid December and the Hamfest was still 4½ months away, and already hotels were booked up! A word to the wise. If you plan to go, plan early, or else you may wind up with a hotel 100 miles away.

Anticipation mounted as the big day drew nearer. The flight was confirmed, hotel confirmed, and a rental car arranged for. All was paid for in advance, so we just had to bring spending money for meals, and other purchases. Bring a little extra "just in case" you decide to bring back a little something extra.

Our flight left Thunder Bay at 7 am April 23rd. It also included a side trip to Washington D.C. which we had not planned on. It was a round about way to get to Dayton and allowed us a passing glimpse of the Washington Monument, and the Pentagon. I must admit I did not expect to end up that far east, but the price was right, and we didn't have too much say in the matter. Next stop, Dayton.

We arrived there in the early evening, and found our Hotel with little difficulty, due to our fine chauffeur, Ed. We did some sightseeing and shopping as we waited for Friday, and the start of the Hamvention to roll around. If you go to Dayton, make sure to visit the aviation museum. This is a must. You would not believe some of the planes and rockets there.



Thursday rolled around, and things started to happen. All autopatches were turned down to prevent tying up the repeaters during the Hamvention. The talk in machine was 34/94, and it was amazing. People were showing up from everywhere. Lots of people wanted directions and information, and order was maintained by net control, who seemed to know where you were, and the easiest way to get you where you were going. A local came up on frequency wanting to know what was going on. He was informed that he would be unable to use this repeater as it was being used for tack in, and other Hamvention info.

Friday morning, as we headed off to the Hamvention, Vic mentioned that he awoke several times during the night, and turned on his 2 meter rig. Everytime he turned it on, net control was still giving instructions and directions. That was the first time any of us had heard of a talk in station running all night!

We headed off to the Hara Arena early, in order to get a parking spot at the arena, and be there at 9 o'clock to purchase the required tickets. Shuttle buses were scheduled to start at 11:30, and the Hamvention started at noon. The parking lot at the arena was full at 10:30, and since we had our tickets in hand, a few cold ones were in order.

Thirteen hundred flea market spaces were sold out, and the Hara Arena turned out to be the smallest of three buildings holding exhibits and manufacturers displays, along with lots of companies with lots of stuff for sale. Amidst the 12 o'clock rush of people waiting to get inside, we missed a fairly important detail. We were told previously to get a Hamvention booklet, and check for any forums you wished to attend.

Most forums are only held once during the weekend, and if you miss one you had wished to attend, then it's too late. Around 1:00, in our random wanderings, we ended up in a large conference room. I inquired about the VHF/UHF forum, to find out it had already started in room 1. Where is room 1? Buildings, of course. After that episode, books were carried around, and observed like the bible. It has a map of where all the conference rooms are, times and dates of the forums, etc. You are literally lost without it.

The inside was big, and outside in the parking lot where the flea market was held was even bigger. A "quick pass" was made, giving most spots a quick look and stopping at a few to make purchases still took almost 4 hours to complete. This was not the entire Hamvention area mind you, just the flea market! There was a lot of good stuff, a lot of junk, and lots inbetween. Mere words cannot describe it. You name it, and there was probably at least one of them there. To try and find it is an entirely different matter.

On Saturday and Sunday, the flea market opened at six a.m., with the exhibits opening at eight. We got there shortly after nine, and had to park about  $\frac{1}{2}$  mile away, in a large parking lot. Needless to say, the arena parking lot was full hours ago. I'll say this much, after two days my feet were sore! Good shoes are an absolute must!

On Sunday, Ed and myself headed over for a "last look". In our random wanderings, we found a place to get name tags made. This would take a few hours she said, due to the fairly large backlog. We headed off in search of more "goodies", and when we decided to get our name tags, the better part of an hour was spent locating the place. Even though we left our maps behind, we did find the place.

As every ham knows, communications is vital in case you get split up. We used 4at's and it worked out great! It seems that almost every one there had an HT of some kind or other hanging off their belt, and several people had 2 or more HT's. A look at a spectrum analyzer which was on display there was fascinating to watch. It was set up to cover the entire 2 meter band, and showed an infinite variety of carriers, here, there and everywhere. Talk about RFI! 440 Mhz was not as bad, but there was lots of RF floating around there too.

Prizes were also quite astounding. They included a complete HF station, HT's, linears, etc, etc. Quite the door prizes, if I do say so. There were also hourly prizes being given away. What more can I say?

In closing, I would like to say that a visit to the Dayton Hamvention is a definite must for everyone. It was estimated that around 25,000 people showed up to behold all the planning and preparation. All the equipment and people. If ever you are able to travel, make sure to get there.

It is always held on the last weekend of April, and you haven't lived until you have been to a Dayton Hamvention. Just remember two things. If you plan to attend in 1985, make your hotel reservations now. About 10% of the people who were there in '84 already have. And number two-- bring a truck, preferably a transport. There is an unbelievable amount of equipment available. Words cannot describe the Hamvention experience. You must attend to see it all for yourself.